## **EAST Search History**

## EAST Search History (Prior Art)

| Ref #           | Hits   | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|-----------------|--------|--|--|---------------------|---------|---------------------|
| S86             | 3      | "radius of curvature" or "radii of<br>curvature"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:40 |
| S87             | 182414 | (radius or radii) with curvature   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:45 |
| S88             | 718    | (nano\$1tube or nano\$1fiber or nano<br>\$1fibre or nano\$1fibril) and \$87  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:45 |
| S89             | 191182 | (substrate or carrier) same (particle or granular or granule or particulate) same (silic\$2 or alumin\$2 or carbon or mica or magnes\$2 or calci\$2 or nacl or "sodium chloride" or metal\$3 or alumino \$1 silicate)                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:47 |
| <del>3</del> 90 | 230    | S88 and S89  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:47 |
| S91             | 194653 | (substrate or carrier) same (particle or granular or granule or particulate) same (silic\$2 or alumin\$2 or carbon or mica or magnes\$2 or calci\$2 or nad or "sodium chloride" or metal\$3 or alumino \$1 silicate or aluminum or titanium) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:48 |
| 592             | 230    | 588 and 591  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:48 |
| S93             | 98     | S92 and ((catalyst or catalytic) same (particle or particulate or granular or granule) same (metal\$3 or alloy\$2 or iron or cobalt or nickel))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:49 |
| 394             | 745    | (nano\$1tube or nano\$1fiber or nano<br>\$1fibre or nano\$1fibril) same (vertical or<br>perpendicular or horizontal\$3) same<br>(align or aligned or alignment)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:50 |
| 395             | 14     | S93 and S94  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | ON      | 2010/03/02<br>10:50 |
| S96             | 2      | ("7189430"). PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2010/03/02<br>10:57 |

| S97  | 27     | S87 and S94   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>11:01 |
|------|--------|---|--|----|-----|---------------------|
| S98  | 15     | \$97 and ((catalyst or catalytic) same (particle or particulate or granular or granule) same (metal\$3 or alloy\$2 or iron or cobalt or nickel))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>11:02 |
| S99  | 14     | S91 and S98   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>11:02 |
| S100 | 151882 | (substrate or carrier) same (particle or granular or granule or particulate) same (silic\$2 or alumin\$2 or carbon or mica or magnes\$2 or calci\$2 or nacl or "sodium chloride" or graphit\$2 or aluminum or titanium) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:56 |
| S101 | 16940  | S100 and ((catalyst or catalytic) same<br>(particle or particulate or granular or<br>granule) same (metal\$3 or alloy\$2 or<br>iron or cobalt or nickel))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:57 |
| S102 | 745    | (nano\$1tube or nano\$1fiber or nano<br>\$1fibre or nano\$1fibril) same (vertical or<br>perpendicular or horizontal\$3) same<br>(align or aligned or alignment)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:57 |
| S103 | 116    | S101 and S102   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:57 |
| S104 | 182414 | (radius or radii) with curvature  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:58 |
| S105 | 13     | S103 and S104   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:58 |
| S106 | 4      | S105 and (ferrocene or nickelocene or<br>cobaltocene or pentacarbonyl or<br>tetracarbonyl)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>13:58 |
| S107 | 17     | S103 and (ferrocene or nickelocene or cobaltocene or pentacarbonyl or tetracarbonyl)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>14:00 |
| S108 | 68     | S102 and (ferrocene or nickelocene or<br>cobaltocene or pentacarbonyl or<br>tetracarbonyl)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>14:06 |
| S109 | 19     | S108 and ((catalyst or catalytic) same<br>(particle or particulate or granular or<br>granule) same (metal\$3 or alloy\$2 or<br>iron or cobalt or nickel))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/02<br>14:07 |
| S110 | 1379   | (977/742,745,748,750,752).CQLS.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/03/02<br>14:08 |

| S111 | 296    | S100 and S110  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/02<br>14:09 |
|------|--------|--|--|----|----|---------------------|
| S112 | 179    | S111 and ((catalyst or catalytic) same<br>(particle or particulate or granular or<br>granule) same (metal\$3 or alloy\$2 or<br>iron or cobalt or nickel))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/02<br>14:09 |
| S113 | 140    | S112 and (vertical or perpendicular or<br>horizontal\$3 or align or aligned or<br>alignment)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/02<br>14:09 |
| S114 | 5      | S104 and S113  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/02<br>14:10 |
| S115 | 594248 | (silic\$2 or alumin\$2 or carbon or mica<br>or magnes\$2 or calc\$2 or nacl or<br>"sodium chloride" or graphis\$2 or<br>titanium) with (mill\$3 or colloid\$2 or dry<br>or dried or drying or spray\$1dried or<br>spray\$1drying or hydro\$1thermal or ball<br>\$1 mill\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:33 |
| S116 | 150581 | [substrate or carrier) same (particle or granular or granule or particulate) same (silic\$2 or alumin\$2 or carbon or mica or magnes\$2 or calci\$2 or nacl or "sodium chloride" or aluminum or titanium)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:34 |
| S117 | 54914  | S115 and S116  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:35 |
| S118 | 7634   | S117 and ((catalyst or catalytic) same<br>(particle or particulate or granular or<br>granule) same (metal\$3 or alloy\$2 or<br>iron or cobalt or nickel or molybdenum))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:35 |
| S119 | 2020   | S118 and (deposit\$3 with (electro\$1less<br>or dry or drying or dried or super<br>\$1critical or sputter\$3 or "vapor<br>deposition" or pvd or electro\$1plat\$3))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:39 |
| S120 | 376    | S119 and (nano\$1tube or nano\$1fiber<br>or nano\$1fibril or nano\$1fibre or<br>buckytube)   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/03/08<br>08:39 |
| S121 | 366    | S120 and ("carbon monoxide" or benzene or toluene or xylene or cumene or ethylbenzene or naphthalene or phenanthrene or anthracene or methane or propane or hexane or ethylene or propylene or acetylene or formaldehyde or acetylene or inexane or ethylene or or ethylene or inexane or ethylene or inexane or ethylene or inexane or in | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:40 |
| S122 | 67     | S121 and (ferrocene or nickelocene or<br>cobaltocene or pentacarbonyl or<br>tetracarbonyl)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:40 |

| S123 | 57   | S122 and (vertical or perpendicular or<br>horizontal\$3 or align or aligned or<br>alignment)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:41 |
|------|------|--|--|----|----|---------------------|
| S124 | 3989 | S117 and ((catalyst or catalytic) same (particle or particulate or granular or granule) same (metal\$3 or alloy\$2 or iron or cobalt or nickel or molybdenum) same (electro\$1 less or dry or drying or dried or super\$1 critical or sputter\$3 or "vapor deposition" or pvd or electro \$1 plat\$3) is plat\$3)!   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:43 |
| S125 | 217  | S124 and (nano\$1tube or nano\$1fiber<br>or nano\$1fibril or nano\$1fibre or<br>buckytube)   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/03/08<br>08:43 |
| S126 | 208  | S125 and ("carbon monoxide" or chemene or toluene or xylene or cumene or ethylbenzene or naphthalene or phenanthrene or anthracene or methane or propane or hexane or ethylene or propylene or acetylene or formaldehyled or acetoled or or or methanel or "methyl alcohol" or ethanel or "ethyl alcohol" or ethanel or "ethyl alcohol" or othanel or "ethyl alcohol" or born or nitrogen) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:43 |
| S127 | 48   | S126 and (ferrocene or nickelocene or cobaltocene or pentacarbonyl or tetracarbonyl)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:43 |
| S128 | 38   | S127 and (vertical or perpendicular or<br>horizontal\$3 or align or aligned or<br>alignment)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:44 |
| S129 | 2605 | (vertical or perpendicular or horizontal<br>\$3 or align or aligned or alignment) with<br>(nano\$1tube or nano\$1fiber or nano<br>\$1fibril or nano\$1fibre or buckytube)  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2010/03/08<br>08:55 |
| S130 | 266  | S129 and ((catalyst or catalytic) same (particle or particulate or granular or granule) same (metal\$3 or alloy\$2 or iron or cobalt or nickel or molybdenum) same (electro\$1 less or dry or drying or dried or super\$1 critical or sputter\$3 or "vapor deposition" or pvd or electro \$1 plat\$3) or \$1 plat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:56 |
| S131 | 135  | S129 and ((catalyst or catalytic) with<br>(particle or particulate or granular or<br>granule) same (metal§3 or alloy\$2 or<br>iron or cobalt or nickel or molybdenum)<br>with (electro\$ lless or dry or drying or<br>dried or super\$ farifical or sputter\$3 or<br>"vapor deposition" or pvd or electro<br>\$ tplat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2010/03/08<br>08:56 |

| S132 | 124 | S131 and ("carbon monoxide" or cumene or toluene or xylene or cumene or ethylbenzene or naphthalene or phenanthrene or anthracene or methane or ethane or propane or hexane or ethylene or propylene or acetylene or formaldehyde or acetone or methanel or "ethyl alcohol" or ethanol or "ethyl alcohol" or ethanol or "ethyl alcohol" or born or nitrogen) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/08<br>08:57 |
|------|-----|--|--|----|-----|---------------------|
| S133 | 21  | S132 and (ferrocene or nickelocene or cobaltocene or pentacarbonyl or tetracarbonyl)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/08<br>08:57 |
| S134 | 8   | "6855376"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2010/03/08<br>10:51 |
| S135 | 8   | ("20020160111"   "6672926"). PN. OR<br>("6855376"). URPN.  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON  | 2010/03/08<br>10:52 |
| S136 | 2   | ("5707916").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | OFF | 2010/03/08<br>13:59 |

## EAST Search History (Interference)

## 3/8/10 4:05:56 PM

<sup>&</sup>lt; This search history is empty>

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